

Final Report

Targeted Runoff Management Grant Program and Urban Nonpoint
Source and Storm Water Management Grant Program

Form 3400-189 (R 11/05)

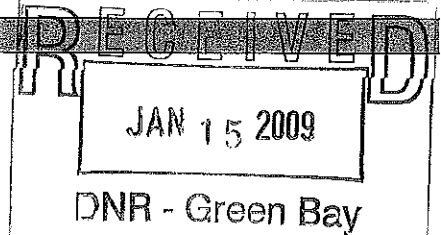
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Notice: This final report is authorized by ss. 281.65 and 281.66, Wis. Stats., and chs. NR 153 and NR 155, Wis. Adm. Code. Personally identifiable information collected will be used for program administration and may be made available to requesters as required under Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

Instructions: The grant agreement requires grantees to submit a Final Report 60 days after the end date listed in the grant agreement. This Final Report form must be used in conjunction with the "FINAL REPORT INSTRUCTIONS." The instructions detail how to complete and submit the report to DNR.

1. Grant Type

- ☐ Agricultural - Targeted Runoff Management Grant
☐ Urban - Targeted Runoff Management Grant
☒ Construction - Urban Nonpoint Source & Storm Water Management Grant
☐ Planning - Urban Nonpoint Source & Storm Water Management Grant



2. Grantee & Project Information

Project Name Industrial Pond - Village of Little Chute	Grant Number USC-LF02-44146-06A
Governmental Unit Name Village of Little Chute	Governmental Unit Type (city, village, town, etc.) Village
Watershed Name Apple & Ashwaubenon Creeks	Watershed Code LF02-113
DNR Water Management Unit (River System) Name Lower Fox River Basin	Water Body Identification Code (WBIC) (if applicable) LF02

s. 303(d) Waterbody? ☒ Yes ☐ No

What pollutant(s) were addressed by the project?

Total Suspended Solids (TSS) & Total Phosphorus (TP)

For each project site location provide the following: (attach additional sheets if necessary)

Location:		A	B	C	D	E
Minor Civil Division Name		Little Chute	Little Chute	Little Chute	Little Chute	
PLSS	Town	21	21	21	21	
	Range	18 E	18 E	18 E	18 E	
	Section	14	15	15	15	
	Quarter	NW 1/4	NW 1/4	NE 1/4	SE 1/4	
	Quarter-Quarter	SW 1/4	S 1/2	S 1/2	NW 1/4	
Latitude		44° 17' 49.6" N	"	"	"	
Longitude		88° 17' 29.8" W	"	"	"	
Property Owner(s)	Name	Village of Little Chute				
	Mailing address	108 W. Main Street Little Chute, WI 54140				
Site address (if different than mailing address)		USH '41' and CTH 'CC'				

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3. Summary of Results

A. Performance Standards and Prohibitions and Other Water Resources Management Priorities

For grants issued in calendar year 2006 or later, complete Tables A and B (following) consistent with the entries on your grant application.
For grants issued prior to calendar year 2006, complete Tables A and B, *to the best of your knowledge*, consistent with the entries on your grant application.

Table A. Performance Standards and Prohibitions (per ch. NR 151, Wis. Adm. Code, effective October 1, 2002)

Performance Standard or Prohibition	Units of Measure	Quantity	Measurement Method Used
Sheet, rill and wind erosion	Acres meeting T		
Manure Storage Facilities: New Construction/Alterations	Number of facilities		
	Number of animal units		
Manure Storage Facilities: Closure	Number of facilities		
Manure Storage Facilities: Failing/Leaking Facilities	Number of facilities		
	Number of animal units		
Clean Water Diversions in WQMA	Pollutant load reduction		
	Number of farms with diversions		
	Number animal units		
Nutrient Management on Agricultural Land	Acres planned		
Prohibition: Manure Storage Overflow	Number of facilities		
	Number of animal units		
Prohibition: Unconfined Manure Pile in WQMA	Number of farms		
Prohibition: Direct Runoff From Feedlot/Stored Manure	Pollutant load reduction		
	Number of facilities		
	Number of animal units		
Prohibition: Unlimited Livestock Access	Feet of bank protected		
	Number of farms		
Urban: 20-40% Reduction in Total Suspended Solids (TSS)	Pounds TSS reduced		
	% TSS reduction		

Table B. Other Water Resources Management Priorities

I. Agricultural Areas	Units of Measure	Quantity	Measurement Method Used
Buffers	Feet of bank protected		
	Number of farms		
Streambank	Tons of bank erosion reduced		
	Feet of bank protected		
Other (specify)			
II. Developed Urban Areas	Units of Measure	Quantity	Measurement Method Used
Urban: 20-40% Reduction in TSS	Pounds TSS reduced	160193	WinSLAMM v 9.1.2
	% TSS reduction	85	WinSLAMM v 9.1.2
Infiltration	% Pre-development stay-on volume		
	Cubic feet stay-on volume		
Peak flow discharge	Change in cubic feet per second		
Protective areas	Feet of bank protected		
Fueling & maintenance areas	Oily sheen presence		
Streambank	Tons of bank erosion reduced		
	Feet of bank protected		
Other (specify)	TP Removal (% Removal)	78	WinSLAMM v 9.1.2
III. Planning	Units of Measure	Quantity	Measurement Method Used
Quantify how implementation of the planning project decreased storm water impacts on state waters (i.e., storm water plan, I & E plan, etc.)	Municipalities planned for		
	Acres planned for		
Document/track progress made in implementing the planning product (i.e., ordinance, utility district evaluation/formation, storm water management plan information & education, etc.)	Municipalities planned for		
	Acres planned for		
Other (specify)			

B. Project Results Narrative

The Village of Little Chute obtained an Urban Nonpoint and Stormwater (UNPS&SW) Grant from the WDNR to assist with the design and construction of the modification of an existing dry detention pond. The modification is to convert an existing dry detention pond to a wet detention pond to provide total suspended solids (TSS) and total phosphorus (TP) removal for the Industrial areas that contribute storm water.

The purpose of the construction project is to reduce non-point source pollution prior to discharge into the Village's storm sewer system (MS4) and ultimately Apple Creek. The project will also assist the Village of Little Chute with future NR 216 / WPDES Municipal Permit compliance and NR 151.13 requirements. Specific water quality goals for Industrial Pond and it's 162 acre drainage area include an 80 percent reduction in total suspended solids and 40 percent reduction in phosphorus. Based upon our modeling (as listed on previous summary of results per WinSLAMM v 9.1.2), the Industrial Pond construction project achieves 85% reduction in TSS and 78% reduction in TP.

The Village of Little Chute will continue to own, operate and maintain the Industrial Pond.

4. Satisfaction of Notice Requirements (if applicable)

If cost sharing for this project was offered under a formal notice to achieve compliance with performance standards or prohibitions, provide information for each notice in the table below.

Notice Information				Notice Satisfaction Information		
Notice Type	Issue Date	From (Name)	To (Name)	Satisfied?		Date Letter Sent
				Yes	No	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	

5. Summary of Project Challenges

The project needed to be extended to allow for proper landscaping of the pond, due to the need to allow existing seeds in the topsoil to germinate, prior to existing vegetation eradication and prairie and wetland seeding. Currently, the Village is continuing to maintain the vegetation to promote the growth of the prairie and wetland plants.

6. Additional Information about the Project (optional)

7. Planning Product (UNPS&SW: Planning Projects only)

☒ Check here if a printed copy of the planning product (e.g., plans, ordinances, analyses) was sent to your DNR Regional Nonpoint Source Coordinator.

Name of Document

Storm Water Management Plan for the Industrial Pond

Date(s) effective

December 26, 2006

Date Submitted to NPS Coordinator

January 5, 2007

8. Grantee Certification

☒ Check here to certify that, to the best of your knowledge, the information contained in this report is correct and true.

Type or print Name and Title of Authorized Representative certifying here.

Roy Van Gheem

Signature of Authorized Representative

Date

Roy Van Gheem

01/14/09

5-7-09
Lisa Hlasek
Northeast Region
Urban Grant
Coordinator